Translation





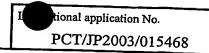
PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicantle ou court off C	(
Applicant's or agent's file reference A435	FOR FURTHER	ACTION	See Form PCT/IPEA/416				
International application No. PCT/JP2003/015468		date (day/month/year) 2003 (03.12.2003)	Priority date (day/month/year) 04 December 2002 (04.12.2002)				
International Patent Classification (IPC) or n H03F 1/56, 3/68		•	04 December 2002 (04.12.2002)				
Applicant	NEC COR	PORATION					
This report is the international prelin Authority under Article 35 and trans	ninary examination remitted to the applican	eport, established by this according to Article 36	International Preliminary Examining				
 This REPORT consists of a total of sheets, including this cover sheet. This report is also accompanied by ANNEXES, comprising: 							
a. (sent to the applicant and		-	sheets, as follows:				
sheets of the descr and/or sheets cont Administrative Ins sheets which supe	iption, claims and/or aining rectifications a tructions). rsede earlier sheets. h	drawings which have be	een amended and are the basis of this report rity (see Rule 70.16 and Section 607 of the				
Supplemental Box		ial application as filed, a	s indicated in item 4 of Box No. I and the				
	licated in the Supple		ne and number of electronic carrier(s)) g and/or tables related thereto, in computer Sequence Listing (see Section 802 of the				
4. This report contains indications relati	ng to the following it	ems:					
Box No. I Basis of the rep	Box No. I Basis of the report						
Box No. II Priority							
Box No. III Non-establishm	ent of opinion with re	egard to novelty, inventi-	ve step and industrial applicability				
Box No. IV Lack of unity of			,				
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
Box No. VI Certain docume	Box No. VI Certain documents cited						
Box No. VII Certain defects in the international application							
Box No. VIII Certain observations on the international application							
Date of submission of the demand		Date of completion of	completion of this report				
16 January 2004 (16.01.2004)		04 Oc	tober 2004 (04.10.2004)				
Name and mailing address of the IPEA/JP		Authorized officer					
Facsimile No.		Telephone No.					

INTERNATIONAL PREMIABILITY



	Basis of the report
. With rega	ard to the language, this report is based on the international application in the language in which it was filed, unless
. Th	his report is based on translations from the animinal to
wh	Tarmoned for the purpose or:
	international search (under Rules 12.3 and 23.1(b))
<u> </u>	publication of the international application (under Rule 12.4)
<u> </u>	international preliminary examination (under Rules 55.2 and/or 55.3)
The	and to the elements of the international application, this report is based on (replacement sheets which have been to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" international application as originally filed/furnished
page	description:
page	, as originally filed/furnish
page	received by this Authority on
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pages	, as amended (together with any statement) under Article
pages	received by this Authority on
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pages	received by this Authority on
_ ` `	received by this Authority on
a sequ	uence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
The ar	mendments have resulted in the cancellation of:
	the description, pages
	the claims. No.
Ħ,	the drawings, sheets/figs
H.	the sequence listing (specify):
، لــا	any table(s) related to sequence listing (specify):
This re	eport has been established as if (some of) the amendments annexed to this report and listed below had not been ro.2(c). The description, pages

INTERNATIONAL PROMINARY EXAMINATION REPORT

In	ional application No. /JP 03/15468			
PCT	JP	03/15468		

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

. Statement			
Novelty (N)	Claims	1-11	YES
	Claims		NO
Inventive step (IS)	Claims	1-11	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-11	YES
	Claims		NO

2. Citations and explanations

The following documents are cited in the international search report.

Document 1: JP 2002-135060 A (Matsushita Electric Ind.

Co., Ltd.), 10 May 2002, (Family: none)

Document 2: JP 2002-185270 A (Matsushita Electric Ind.

Co., Ltd.), 28 June 2002, (Family: none)

Document 3: JP 7-235802 A (Nippon Telegraph and Telephone

Corporation), 05 September 1995, (Family:

none)

Document 4: JP 3-195108 A (NEC Corp.), 26 August 1991,

(Family: none)

Document 5: JP 2002-271152 A (Matsushita Electric Ind.

Co., Ltd.), 20 September 2002, (Family: none)

Explanation:

The control circuit whereby the impedance of at least one terminal from among the input terminal and the output terminal of the amplifying element is controlled so as to be high impedance is not disclosed in any of documents 1 to 5, which are cited in the international search report; therefore, the inventions that are set forth in claims 1 to 11 are novel and involve an inventive step in relation to documents 1 to 5.